Fig. 1

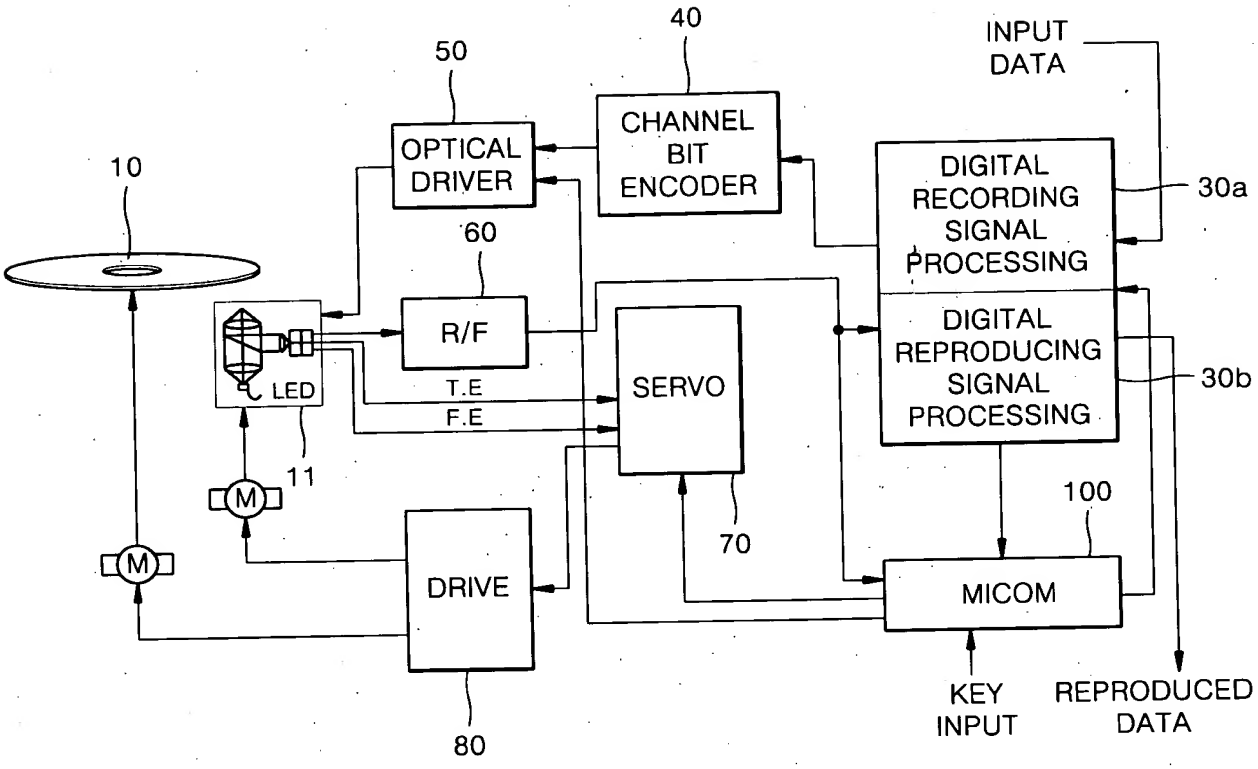
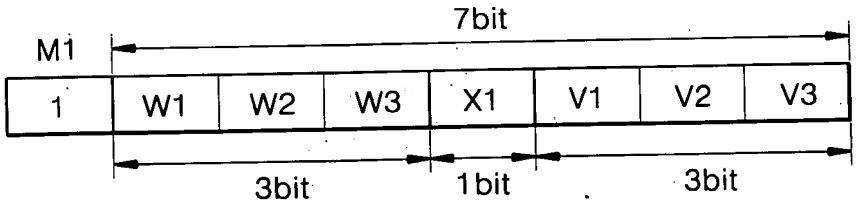


Fig. 2



'Minute' Byte when M1 : S1 : F1 = 101

W1,W2,W3	= 000	→	P_{ind} = 5mw
	= 001	→	P_{ind} = 6mw
	= 010	→	P_{ind} = 7mw
	= 011	→	P_{ind} = 8mw
	= 100	→	P_{ind} = 9mw
	= 101	→	P_{ind} = 10mw
	= 110	→	P_{ind} = 11mw
	= 111	→	P_{ind} = 12mw

W1,W2,W3 : Indicative Target Writing Power(P_{ind})
X1 : Reserved Future Extensions(=0)
V1, V2, V3 : Reference Speed

Fig. 3

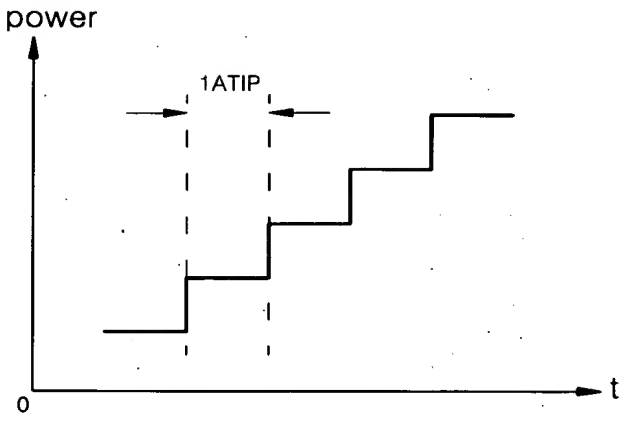

power
1ATIP
0
t

Fig. 4

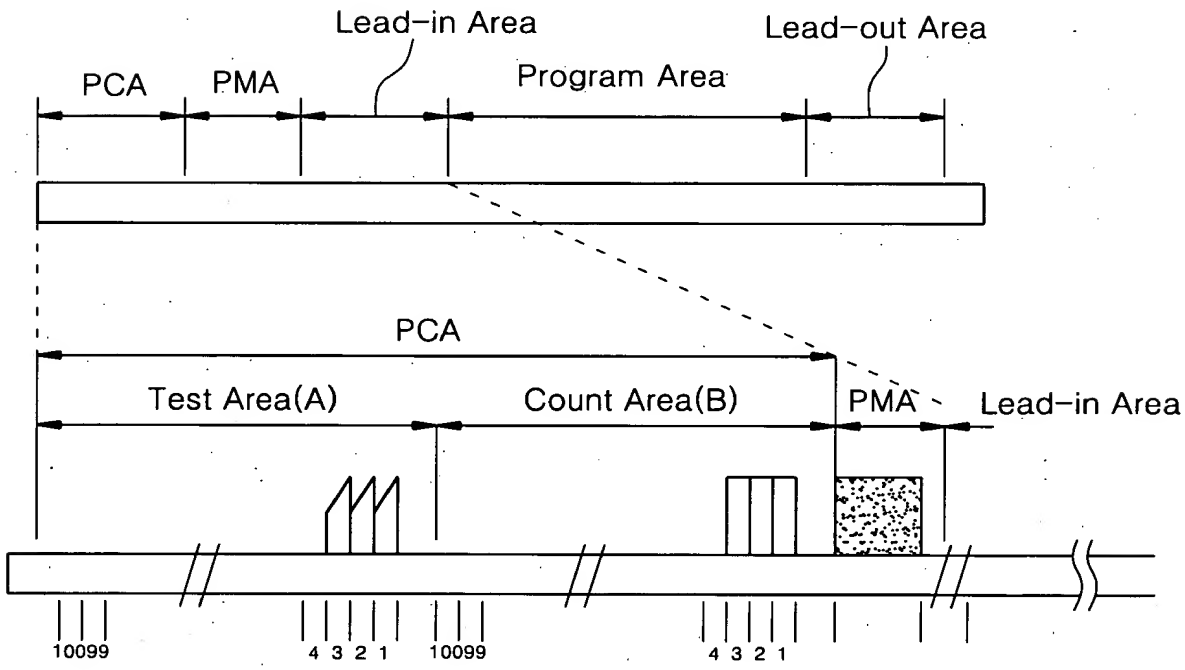

Lead-in Area
Lead-out Area
PCA
PMA
Program Area
PCA
Test Area(A)
Count Area(B)
PMA
Lead-in Area
10099
4 3 2 1
10099
4 3 2 1

Fig. 5

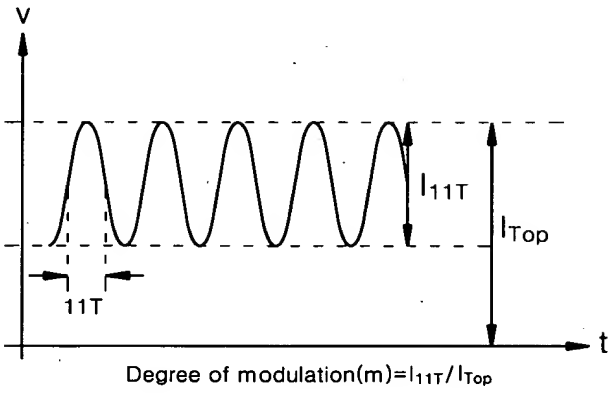


Fig. 6

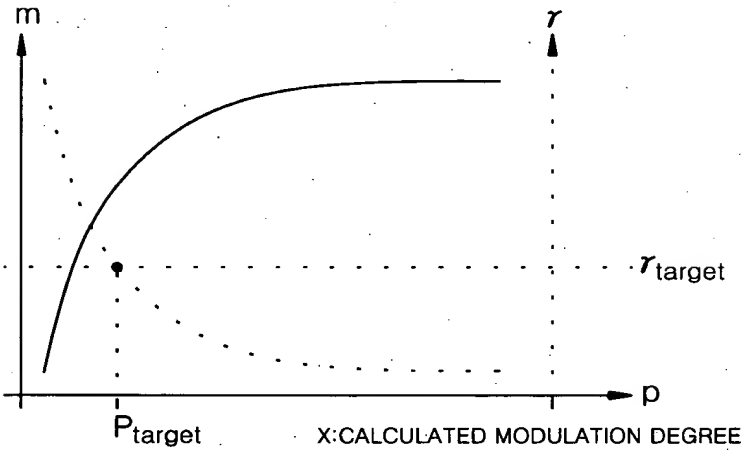
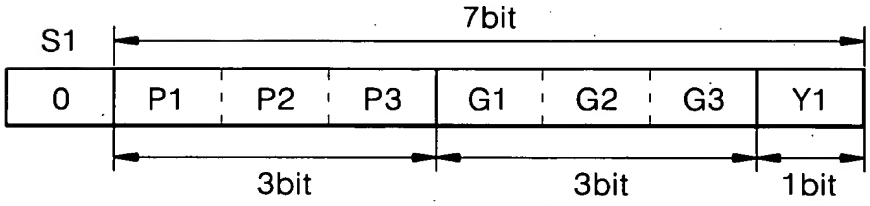


Fig. 7



'Second' Byte when M1 : S1 : F1 = 001

P1,P2,P3 : Power multiplication factor ρ at reference speed
G1,G2,G3 : Target γ value of the modulation/power function for all speeds
Y1 : Reserved for future exetentions(=0000)

Fig. 8

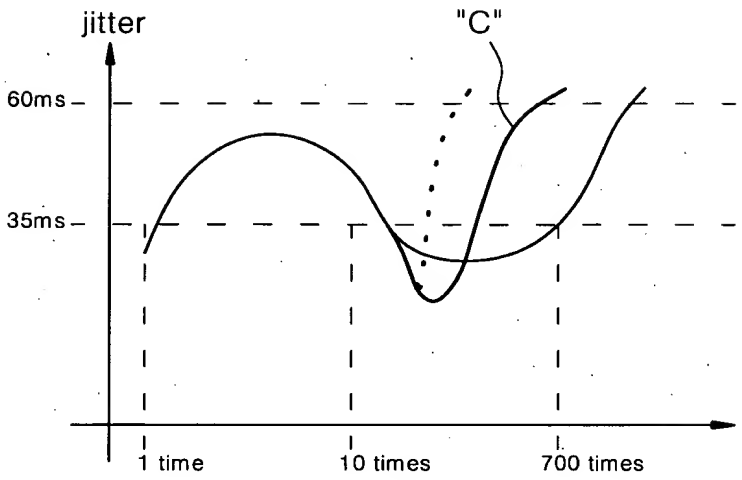


Fig. 9

	PRECEDING RECORDING	FOLLOWING RECORDING	REPRODUCTION CHARACTERISTICS
RECORDING POWER	HIGH	LOW	BAD
	HIGH	HIGH	NORMAL
	LOW	HIGH	GOOD
	LOW	LOW	NORMAL

Fig. 10

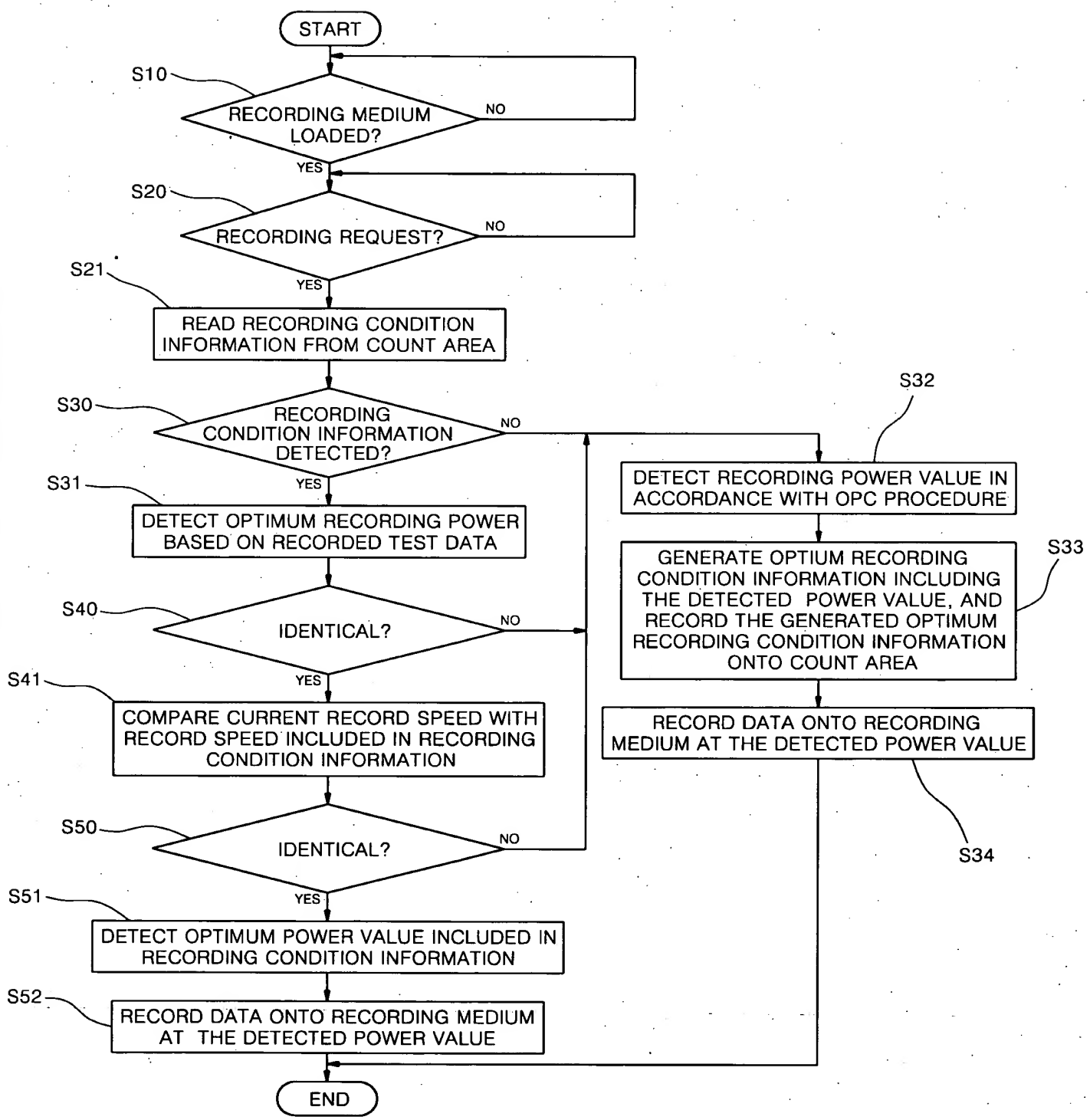

START
S10
RECORDING MEDIUM LOADED?
NO
YES
S20
RECORDING REQUEST?
NO
YES
S21
READ RECORDING CONDITION INFORMATION FROM COUNT AREA
S30
RECORDING CONDITION INFORMATION DETECTED?
NO
YES
S31
DETECT OPTIMUM RECORDING POWER BASED ON RECORDED TEST DATA
S40
IDENTICAL?
NO
YES
S41
COMPARE CURRENT RECORD SPEED WITH RECORD SPEED INCLUDED IN RECORDING CONDITION INFORMATION
S50
IDENTICAL?
NO
YES
S51
DETECT OPTIMUM POWER VALUE INCLUDED IN RECORDING CONDITION INFORMATION
S52
RECORD DATA ONTO RECORDING MEDIUM AT THE DETECTED POWER VALUE
END
S32
DETECT RECORDING POWER VALUE IN ACCORDANCE WITH OPC PROCEDURE
S33
GENERATE OPTIUM RECORDING CONDITION INFORMATION INCLUDING THE DETECTED POWER VALUE, AND RECORD THE GENERATED OPTIMUM RECORDING CONDITION INFORMATION ONTO COUNT AREA
RECORD DATA ONTO RECORDING MEDIUM AT THE DETECTED POWER VALUE
S34

Fig. 11

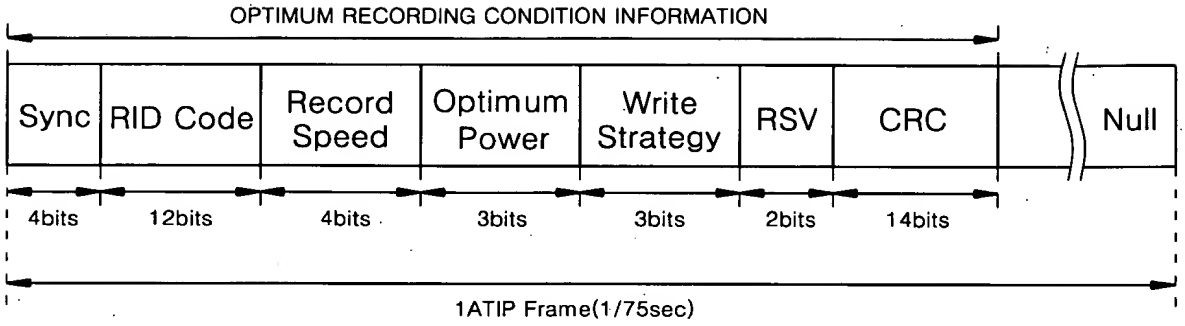

OPTIMUM RECORDING CONDITION INFORMATION
Sync
RID Code
Record Speed
Optimum Power
Write Strategy
RSV
CRC
Null
4bits
12bits
4bits
3bits
3bits
2bits
14bits
1ATIP Frame(1/75sec)

Fig. 12

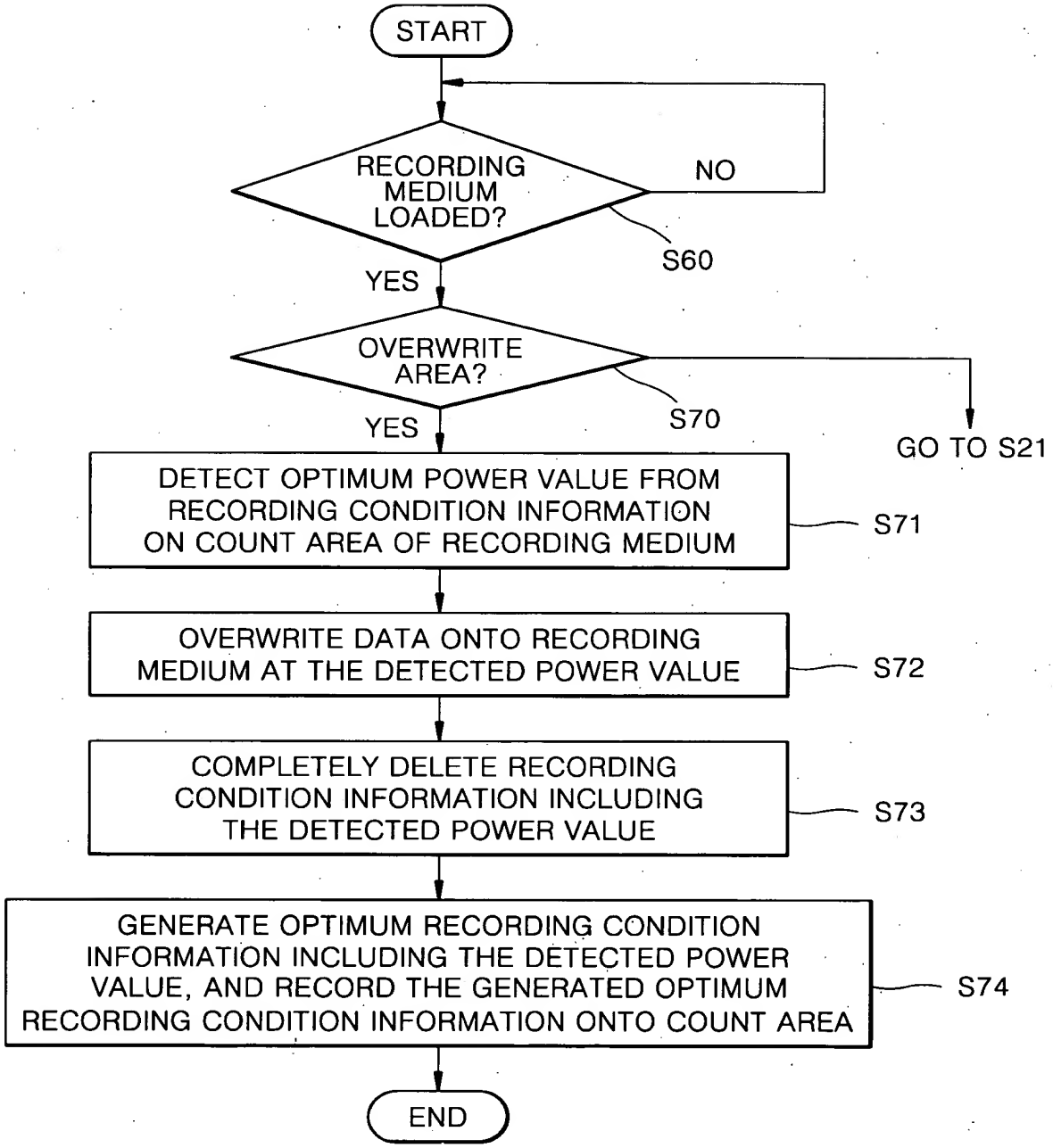

START
RECORDING MEDIUM LOADED?
NO
S60
YES
OVERWRITE AREA?
S70
GO TO S21
YES
DETECT OPTIMUM POWER VALUE FROM RECORDING CONDITION INFORMATION ON COUNT AREA OF RECORDING MEDIUM
S71
OVERWRITE DATA ONTO RECORDING MEDIUM AT THE DETECTED POWER VALUE
S72
COMPLETELY DELETE RECORDING CONDITION INFORMATION INCLUDING THE DETECTED POWER VALUE
S73
GENERATE OPTIMUM RECORDING CONDITION INFORMATION INCLUDING THE DETECTED POWER VALUE, AND RECORD THE GENERATED OPTIMUM RECORDING CONDITION INFORMATION ONTO COUNT AREA
S74
END

Fig. 13

APPARATUS A	APPARATUS B	APPARATUS C
8.5mw	8mw	9.5mw

Fig. 14

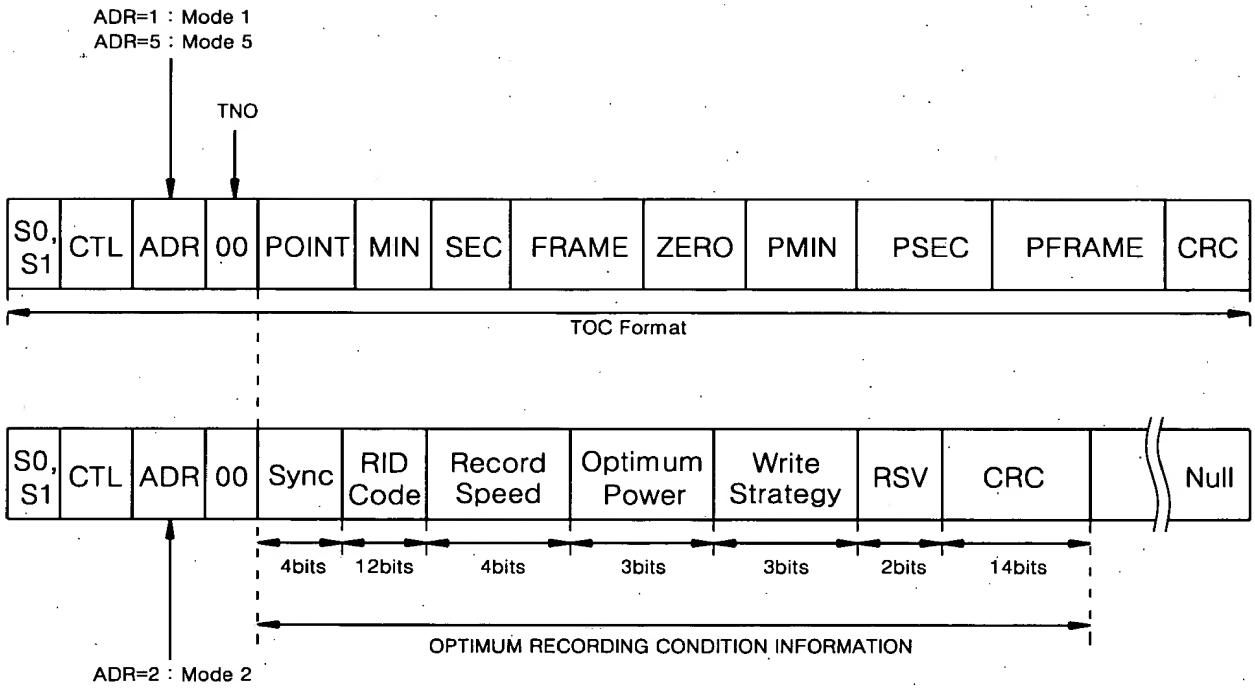
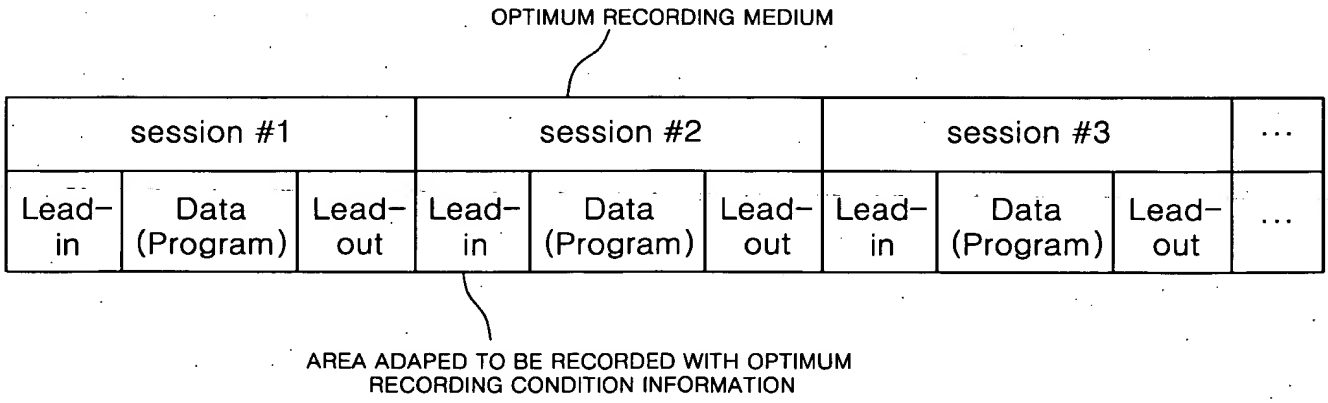



Fig. 15